RECLAMATION PLAN TOTAL COST ESTIMATES November 10, 1989

Reclamation Cost Subtotal - Table 14-3		\$4,490,000
Equipment Removal Subtotal - Table 1	\$171,000	
Structure Demolition Subtotal - Table 14-1		\$433,000
Earth Moving Subtotal - Table 14-2		\$2,915,000
1989 Dollars	Total Cost	\$8,009,000
10% Contingency		\$801,000
*1999 Dollars (1.93% Inflation)		\$10,700,000

MN6/7

^{*}Based upon initial 10 year renewal period

EXECUTIVE SUMMARY

		T.D. MO	M/019/003
Moab Salt I	<u>Mine</u> ncorporated	County:	M/019/005 Grand
	208	New/Existing:	Grand Existing
Moab, Utah	84532	Mineral Ownersl	nip: <u>Federal and State</u>
		Surface Ownersl	nip:2%_BLM
801-259-717		Lease No.(s):	See Attached
son: Eric K	York	Permit Term:	<u>Life of Mine</u>
iption: <u>T26</u> 5	S, R2OE, Secs. 2	2-36; T27S, I	R20E, Secs. 1, 2, 11, & 12
to be Mined:	Potash and Sal	t (Sodium Chlo	ride)
ods: Solutio	on Mining		
Disturbed:	1.002.1		
d Use: <u>All</u>	Mining		
Land Use: R	angeland, wildli	fe, recreation	al, oil & gas exploration
rom Reclamat	ion Standards (R	tule R613-004) (Granted: <u>(107) Drainages</u>
nd GEOLOGY:			
			cking in organic and
		eaching at find	al reclamation to remove
	Moab, Utah 8 801-259-7171 son: Eric K e: 100 yea iption: T269 to be Mined: ods: Solution Disturbed: d Use: All M Land Use: Rance rom Reclamation ods: Deser	Moab, Utah 84532 801-259-7171 son: Eric K. York e: 100 years iption: T26S, R20E, Secs. 2 to be Mined: Potash and Sal ods: Solution Mining Disturbed: 1.002.1 d Use: All Mining Land Use: Rangeland, wildli rom Reclamation Standards (R	Moab, Utah 84532 801-259-7171 Son: Eric K. York E: 100 years iption: T26S, R20E, Secs. 22-36; T27S, Factor be Mined: Potash and Salt (Sodium Chlorods: Solution Mining Disturbed: 1.002.1 d Use: All Mining Land Use: Rangeland, wildlife, recreations rom Reclamation Standards (Rule R613-004) (

Page 2 Executive Summary Moab Salt Inc. M/019/005

HYDROLOGY:

Groundwater Description: The amphitheater containing the Moab Salt brine exhibits very little discharge of natural ground water. The amphitheater has eroded northwest along the crest of the Cane Creek anticline, exposing the rocks comprising its walls at their highest topographic position in the area. The presence of the amphitheater and numerous nearby deep canyons has imposed an unsaturated environment on the exposed rocks by keeping the rocks well drained. All of the Permian and non-salt Pennsylvanian rocks lying below the level of the Colorado River, in the vicinity of the mine, are saturated. The solution mine lies in the unsaturated Paradox formation some 1500 to 3500 feet below the Colorado River.

Surface Water Description: No perennial water ways are found on the minesite. wever, the surface disturbance does lie directly adjacent of the Colorado River. The site is bisected by several ephemeral streams which feed into deep canyons. Some of these streams have become artificially perennial as a result of brine leakage from the operation's evaporation ponds. The site, for the most part, is dry, other than the man-made effluents and a few natural seeps found in the area.

Water Monitoring	Plan:	None
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ECOLOGY:

Vegetation Type(s); Dominant Species: Rabbitbrush, Mormon Tea, Sagebrush, Snakeweed, Horsebrush, Sand dropseed, Cheatgrass, Saltgrass, Galleta grass, Globemallow, Prickly Pear.

Percent Surrounding Vegetative Cover: 20%

Wildlife Concerns: No major impacts.

Surface Facilities: Extensive warehouse and processing facilities, concrete, headframe, numerous service buildings, office complex, rail facilities, all found within the 100 acre plant site area.

Mining and Reclamation Plan Summary: The operator intends to reclaim this area as near original condition as possible. The mines surface facilities will be removed and disturbed areas regraded. All salt contaminated areas will be cleaned up and revegetated.

SURETY:

Amount: \$10,700,000

Form: Self Bond
Renewable Term: No term negotiated

